

K. H. L. Key

8-12. iii. 1969

8/3.

54462. Currie P.O. Took road to Grassy.

470. Gently undulating pale grey sand, *Phaullocladus vittatum*, *Austroicetes vulgaris* with lower-lying humus areas.

Melaleuca sp. + *Leptospermum* to 10 ft.,
with lower patches *Leptospermum* sp.,
occ. *Banksia* sp. + monocots to 2 ft.,
occ. forbs.

472. Eltrick R.

473 ~~5~~. Took Mt. Stanley road.

476. Turned off to right ("Red Hut road?")

477. Mt. Stanley. A very low rounded elevation (originally *E. ovata* + tea-tree).

478. Return.

479. Back on main road.

480. Cleared from tall eucys; only the
Austroicetes vulgaris
very old trunks remaining here & there.

Undulating pale sand. *Leptospermum*
sp. to 3 ft., occ. *Cassinia* sp., rushes to
3 ft., introduced grasses & clones.

481. Rejoined direct road to Grassy.

483. Grassy. Followed road past mine
towards coast.

485. Sandhills with white sand
Austroicetes vulgaris, *Phaulacridium vittatum*,
 leading to sub-fresh granite knob.
~~*A. nanum*~~ *Mimosa* *nanum*
 Bracken, *Oleana* sp. (small white
 flowers), *Leptospermum* sp., *Melaleuca*
 sp. & a phyllodineous *Acacia* sp. to
 1 ft, rising higher on granite knob,
 which has stunted *E. globulus*, *E.*
virginialis, & *E. ovata*. Sea.

487. Grassy.

9/3.

53732.5 Currie

736. Turn-off to airport

737. "Munro's road" to right

739. Buttes factory on left

739. Turned right along "Brown's road."

741. Turned left along "old tin mine road."

743. Gently undulating pale grey sand
Tasmaniacris sp., *Phaulacridium vittatum*,
 with *Casuarina* sp. to 8 ft, *Leptospermum*
Austroicetes vulgaris, *Parabettia argillaceus*
 sp., *Delwynia* sp. (?), & *Epacris* sp., *Desfont-*
ainia & other monocots, to 1 ft in large
 patches. *Phaul. nanum*.

745. Similar to last, but scattered
Phaulacridium vittatum
Casuarina to 3 ft, & less *Delwynia*.

748. Triple fork. Kept left.

748. Elephant R.

749. Leave Elephant R. Underlating pale
Austroicetes vulgaris, *Phaulacridium vittatum*,
 grey sand, scrub broken to 1ft, leptosp.
Mingalirana, *Paratettix argillaceus* (i.)
 spp. to 3ft & shorter, occ *Galium* &

Dilwynia, some grass, occ. *Dianella* sp.

758. Rejoined North Road. Turned right.

759. Looeanna

759. Hills road

760. Keddles road. Coastal course. *A. laticata*
Austroicetes vulgaris, *Phaulacridium vittatum*,
 dunes. Pale sand. Original vegetation

completely replaced by tussocks of
 a cyperaceous plant ^{to 1.5m} grass to 1ft.
 mainly an annual sp. (dead) with an
 oval, soft white head.

766. Turned right for Reekara.

768. Road to left.

771. Cross roads.

775. Mt. Counsel & adjacent slopes &
 flat. *Tasmaniacris* sp.
 Essentially same vegetation as
 previous "Lappa sand" stops, but
Banera sp. also prominent to 1ft. Occ.
 stunted *E. ? ovata* to 8ft. Stony upper
 slopes & summit. Return.

783. Back on north road. Turned right.

768. East Wickham. Return.

10/3.

812. Currie. Took Wharf road & lighthouse road.

813. Lighthouse. Returned & took beach road to Gelf Club.

813. Gelf Club. Beige sandhills with *Phaulacridium vittatum*, ~~*P. nanum*~~, *Austroicetes* apparently, *Urgin* community of *Urgin*, *Paratettix argillaceus*, *Minyadina nana*, *Leptospermum latifolium*, *Correa* sp., *Acacia* sp., *Boerhaavia*, & other shrubs to 6ft, but often 18in, occ. *Cyperaceae*, some introduced grass.

End of road (Admiral Beach). *Nyoporum insulare* R. Br.
814. Consolidated sandhills immediately behind coast. Near-*Urgin* to *Urgin*.
Scirpus nodosus Rothb., *Senecio odoratus* Hornem.
Same shrubs & other plants as previous.
Austroicetes vulgaris, *Phaulacridium vittatum*, ~~*P. nanum*~~, stop, but 2 spp. of *Oleina* prominent, *Minyadina nana*, *Oleina glutinosa* (Hindl.) Benth.
One with medium-sized mauve flowers *Paratettix argillaceus* to 6ft, but usually smaller, the other *Oleina lipidophylla* (Pter.) Benth. with very small silicles to 1ft.

Carpobrotus occ. *Poa* sp. with some *Lagurus patulus* L. *Caloccephalus brownii* (Carr.) F. Muell. of silver-top grass. Rare sand frequent. *Pinetia serpyllifolia* R. Br., *Correa backhousiana* Hook.
Return. *Calytrix tetragona*, *Ammophila arenaria* (L.) Link (maritime grass)

816 Currie P.O.

820. Turned off Grassy road for Pea-shag.

824. Ethnick R. crossing, at entrance to sea. *Thripis* sp., *Calceophalus* sp.,
Phaulacendium vittatum,
Rhagodia sp., *Casporras* sp., another
 dioecious succulent, *Hyssopus* sp.,
~~tall to 2-5 ft~~ *Acacia* sp., *Thistles* (dead),
 Cyperaceae at edge of rocky shore.

830. Peershope.

835. Superior Bay. Steep, white sandhills
Austrocytes vulgaris, *Phaulacendium vittatum*,
 immediately behind sea, all boggled-
Gastromargus mucosus
 boggled as usual. Nearest to sea with
 a pure stand of marram grass dense
 to 2 ft, further back, to some extent
 interdigitated, the usual combination
 of cyperaceae & silver-top grass.
P. vittatum & *A. vulgaris* very
 abundant, *Gastromargus* rare,
 associated with marram grass.
 Return.

836 Intersection with road to Seal
 Rocks.

838. Intersection with road to Seal
 Ruin.

839. Typical *Lappa* sandheath, with
Tasmanian sp., *Phaulacendium vittatum*
Olivynia. *Tasmanian* seems to

in associated with Hlio). Phaul. nanum.

841 Pearshape.

846 Sandhill in Carrie calcareous
Austroicetes vulgaris
sand with *Correa* sp., *Pumilia* sp. &
occ. *Myoporum* to 4 ft. small, three-
leafed *Olaria* to 1 ft. abundant,
cyperaceae & silver-top.

847 Ethrick R. crossing.

11/3.

874 Turned off along South Yellow
Rock road from North road.

876 Junction with Whistler Pt. road.

877 Yellow Rock. End of road. R. turn.
Took North Yellow Rock road.

882 East Wickham. Took Gambacoma
road.

883 Gambacoma. Pattern.

885 East Wickham. Turned left.

890 Egg hagon.

892 Haines road to right.

893 Turned left for Wickham lighthouse.

897 Cape Wickham lighthouse. Coastal
Phaceladidum uittatum, *Austroicetes vulgaris*
sand-dunes with marram grass
alternating with cyperaceae-silver

top. Numerous very large bushes of
 broomrape mixed with *Rhagodia*. Miscell-
 aneous insects mainly at broomrape
 flowers. A white butterfly also. Return.

902. Turned left along Rocky Cape road.

903. Return.

905. Turned left along Hamies road.

909. Turned left to Lake Martha Lavina.

910. Underlating white sand with
Tasmanianeris sp. mallee-form *L. venimialis* to 7ft,
Leptospermum sp. *Delonixia* sp. to 18in,
Bankia sp., *Casuarina* sp., *Acacia* sp. ^{*Leptospermum laevigatum*}
 all to 7ft, some bracken to 1ft, some
 tussocky monocots. *Phaul. vittatena*,
P. nanum.

911. Lake Martha Lavina (SE. end). Swampy
^{*Rhagodia*} flat just W of margin of duce. Same
 veg. as last stop, but all to 100
 growth slashed: 70% < 1ft. Return.

12/3.

950. Currie.

953. Turned off South road for Pegarah.

957. Pegarah

963. Paranna

967. Junction with Muller's road.

967. Naracoopa

969. Turned right for Sea Elephant

970. Gently undulating ~~lumpy~~ sand
Phaulacridium vittatum, P. nanum, Austrorites
with short heath to 1 ft. ~~lumpy~~
vulgaris Ninyaria nana nana. Hibiscus sp.
abundance of ~~the same~~

975. Gently undulating ~~lumpy~~ sand
Phaulacridium vittatum, Tasmaniacris sp.
with dead Banksia sp. & Casuarina
sp. to 15 ft. occ. 20 ft. Regrowth of

& Leptospermum sp. & Melaleuca sp.
Dillwynia glaberrima Sm.
to 3 ft. Dillwynia sp. to 10 in. Tasman-
iacris associated with this (all
nymphs).

977. Sea Elephant Cyperaceae & Poa
Phaulacridium vittatum
tussocks along river flats to 2 ft.
Return.

984. Turned right along Fraser road.

992. Elephant R. crossing.

995. Adams road to left.

54001. Currie.

Selaginella uliginosa (Labill.) Spring,
Lycopodium deuterodensum Hester, Galinia sp.,
Casuarina monilifera L. Johnson, Pultenaea juniperina
Labill., Banksia marginata Cav.

There appears to be only three eucalypts on the island: *minimatis*, *globulus*, & *ovata*. These were originally trees of 80 ft on the Pegarah fine sandy loam, where they are still accompanied, ^{in a patch} ~~farther~~ *Parcuma*, by *Acacia melanoxylon*, *tree-ferns*, & other ferns. On poorer soils there is an extremely dense understory of *Mulaleuca* up to 30 ft, but this has probably been greatly increased by fires. On some of the Lappa sand plains, all three eucalypts may assume a tree mallee form not exceeding 8 ft.

The 6 species found were all adult, except *Tasmaniensis*, which was mainly nymphal, but nowhere other than rare, & apparently confined rigidly to the Lappa sand heath, where it was associated with a *Dillwynia*, apparently without exception. No nymphs of *Cirphula*, *Uonisa*, *Peakesia*, *Pednura*,

or any other "early" species were seen, but the absence of these species cannot be asserted without a spring visit.

The heaths are very depauperate, lacking *Canthorrhoea*, *Hakea*, button-grass, *Hebe*, & other species typical of it in NW. Tasmania. It may be that at its last visitation King Is. was entirely covered by dense forest, or at any rate that its heaths, developed on aeolian sand, have had ^{little or} no floral communication with heaths in Tasmania. Assuming no different results following a spring visit, the grasshoppers ^{give substantial} support to this view, the only typical heath species (but not solely heath) present on the island being *Phanlaecidium* *narrowii*.